

V&V Reference Report

L2 ASCDS Version : 10.8.1

Observation 22871 - L2 Version 1
Chandra X-Ray Center

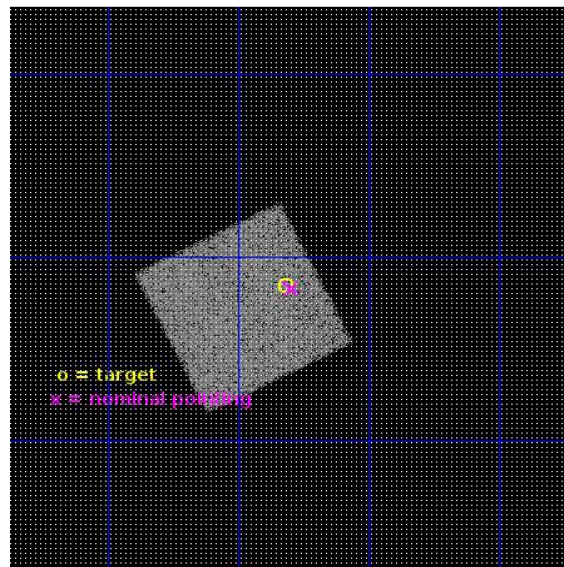
L2 Processing Date : Oct 13 2019

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1 Front

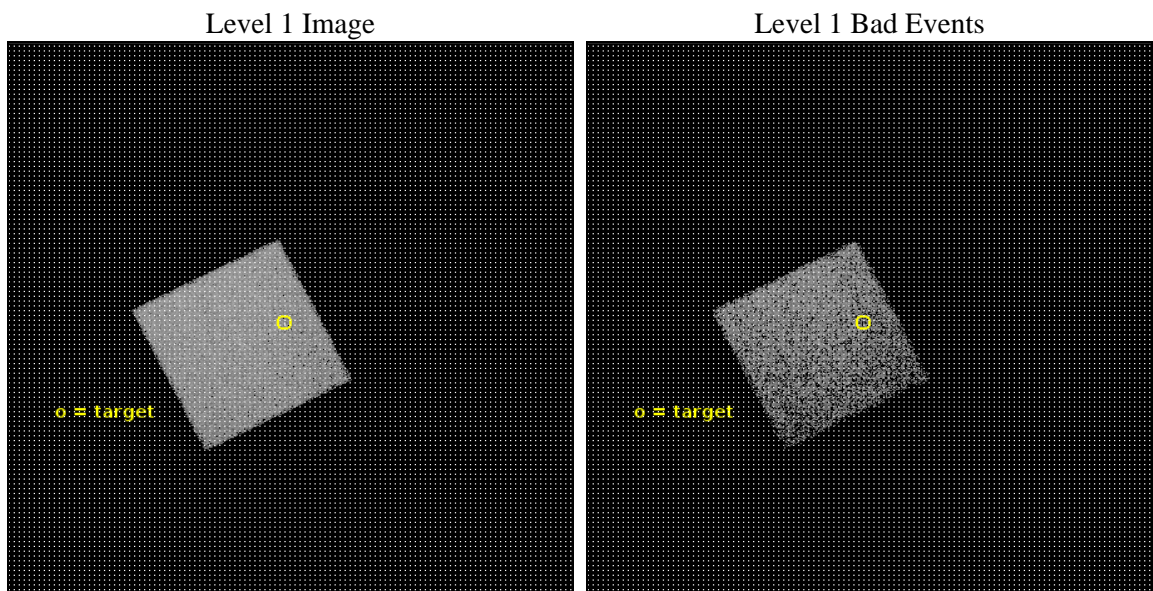
seq_num	704027	Sequence number
obs_id	22871	Observation id
title	C-BASS: A Chandra Legacy Survey of AGN at the Highest Spatial Resolutions	Proposal title
observer	Michael Koss	Principal investigator
object	UGC1479	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	30.079395	Observer's specified target RA [deg]
dec_targ	24.473837	Observer's specified target Dec [deg]
ra_nom	30.073954983393	Nominal RA [deg]
dec_nom	24.471486220696	Nominal Dec [deg]
roll_nom	153.15882087217	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10091.160950541	Sum of GTIs [s]
livetime	9954.976867001	Livetime [s]
ontime7	10091.160950541	Sum of GTIs [s]
l2events	42325	Number of level 2 events



2 OBI

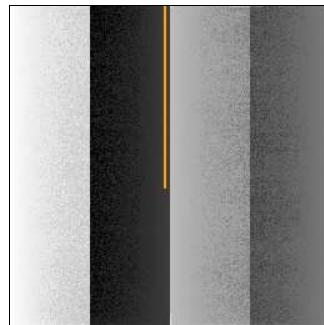
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.8.1	Processing system revision	ontime	10091.160950541	Sum of GTIs [s]
caldsver	4.8.4.2	 	ontime7	10091.160950541	Sum of GTIs [s]
date	2019-10-13T23:38:41	Date and time of file creation	l1events	98381	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

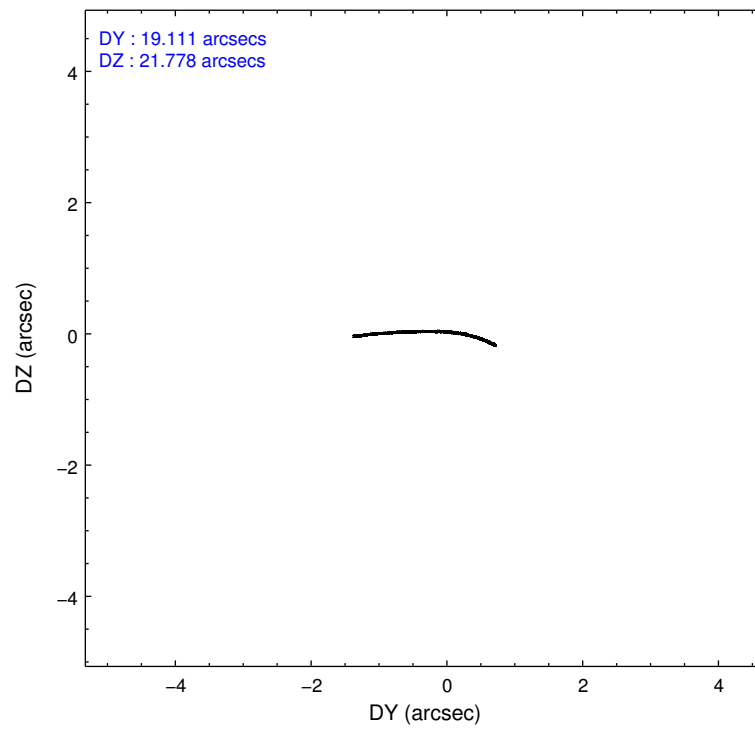
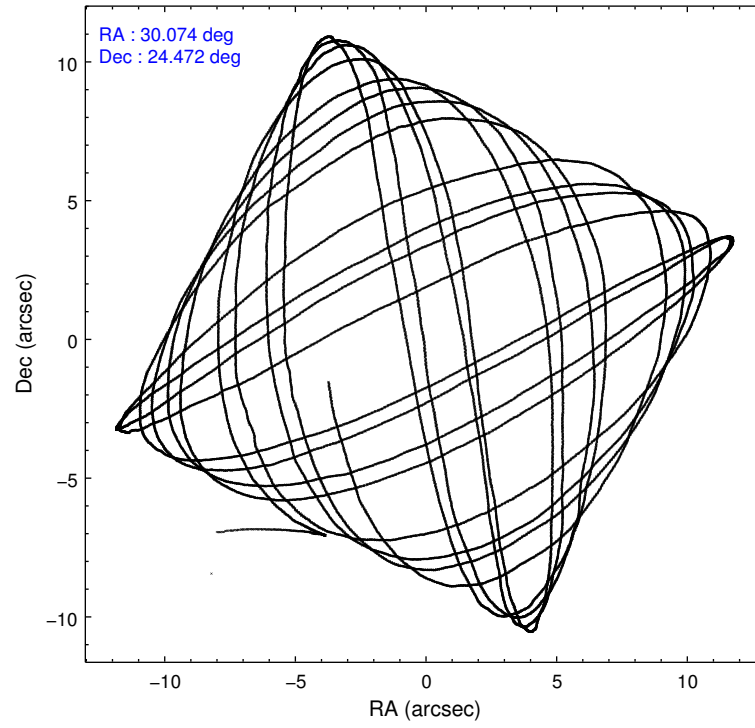
	ccd 7
level 1 events	98381
rejected events	54929
rejected %	55%

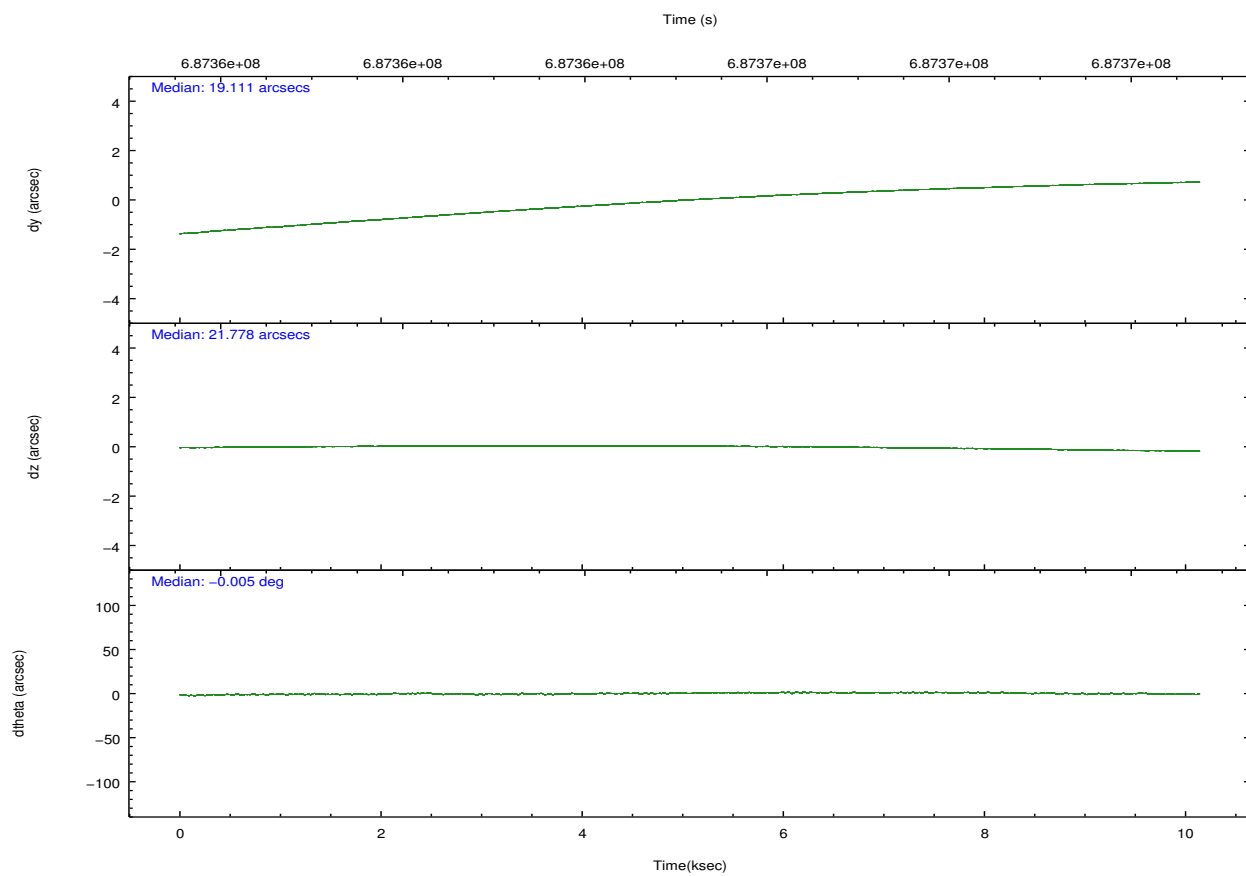
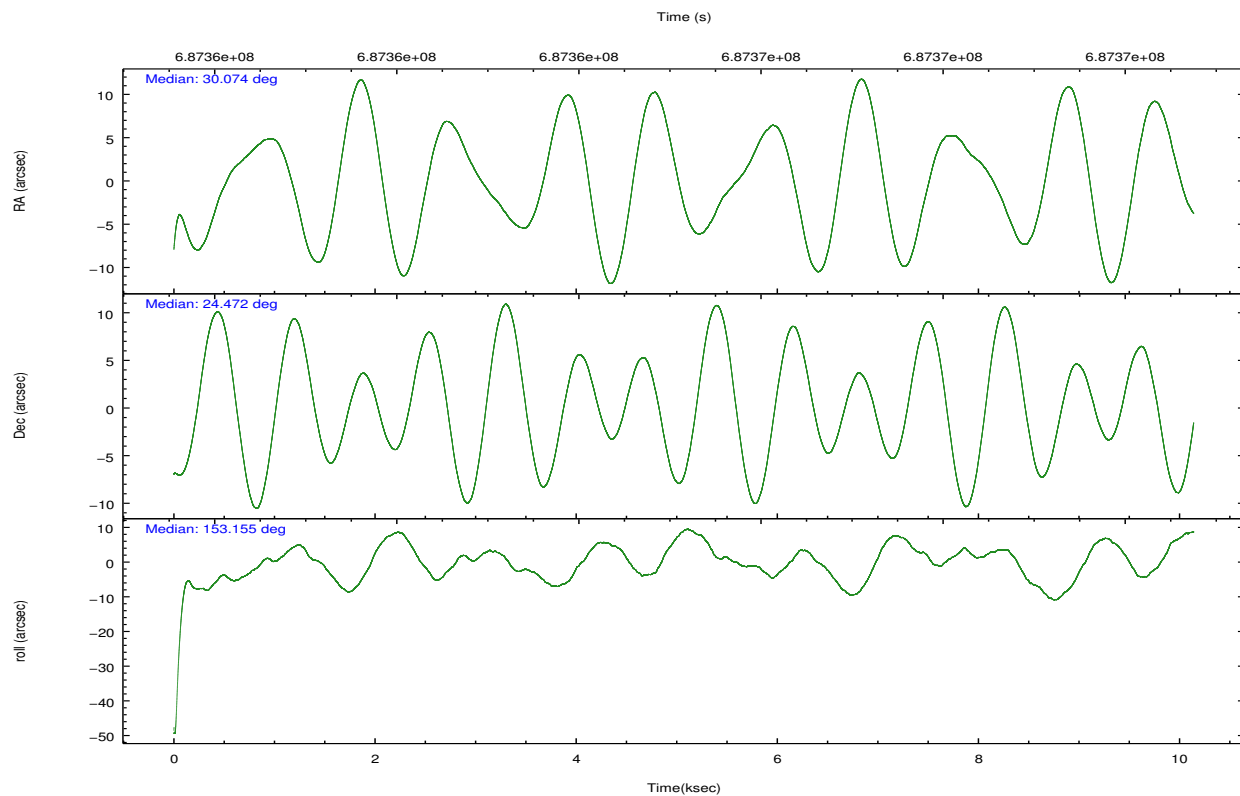
	ccd 7
grade 0 events	3610
	3%
grade 1 events	168
	0%
grade 2 events	9369
	9%
grade 3 events	3437
	3%
grade 4 events	3325
	3%
grade 5 events	9829
	9%
grade 6 events	23738
	24%
grade 7 events	44905
	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	30.104074	30.07395498339264	Subarray requested	NONE	NONE
[deg] Pointing Dec	24.473410	24.47148622069632	Alternating exposures requested	N	N
[deg] Pointing Roll	152.989778	153.1588208721676	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	687360221.184000	687359062.64127			
Observation start date	2019-10-13T13:22:32	2019-10-13T13:04:22			
[s] Observation end time (MET)	687370221.184000	687371208.892			
Observation end date	2019-10-13T16:09:12	2019-10-13T16:26:48			
Read mode	TIMED	TIMED			

2.3 Aspect



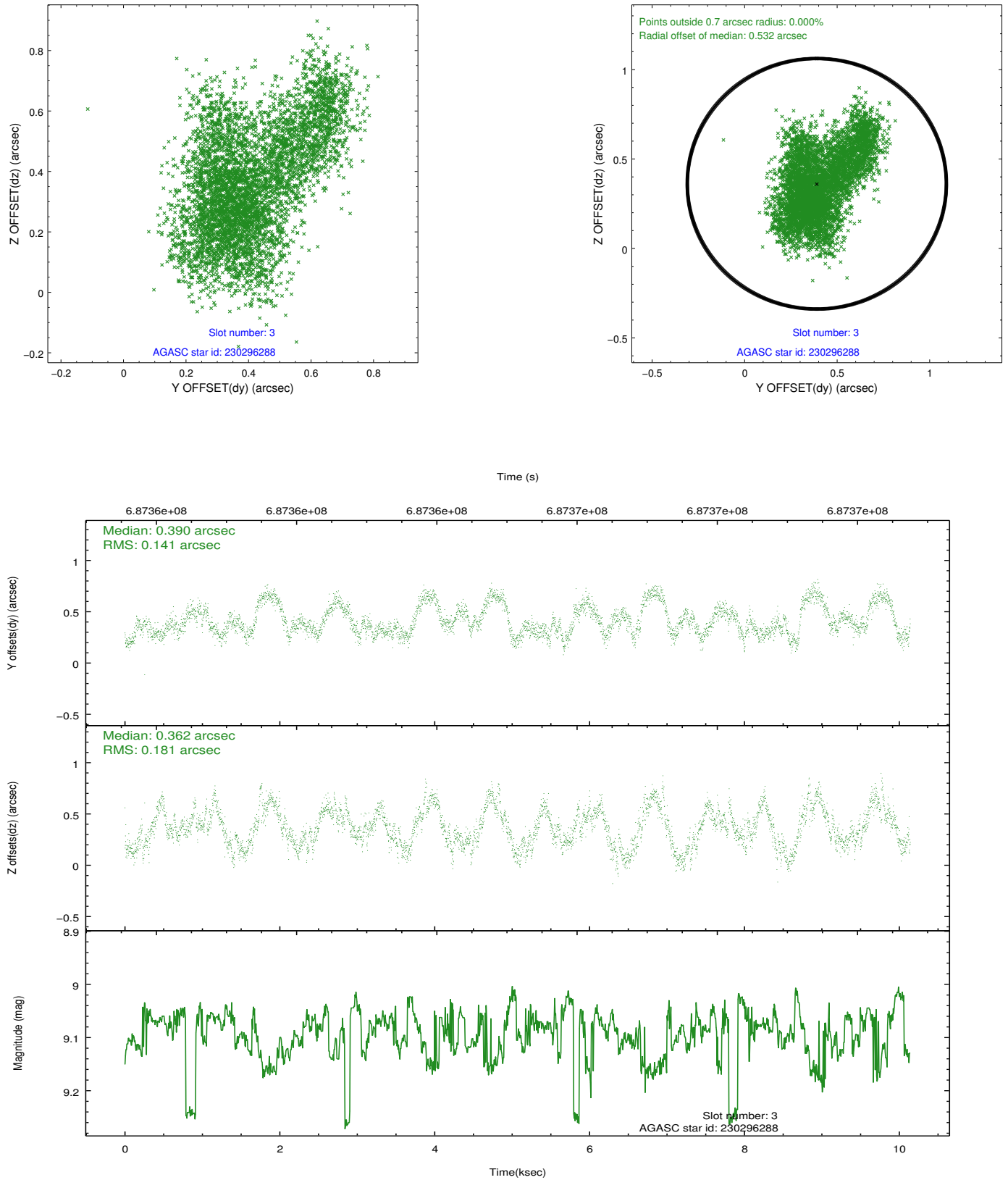


Slot Statistics

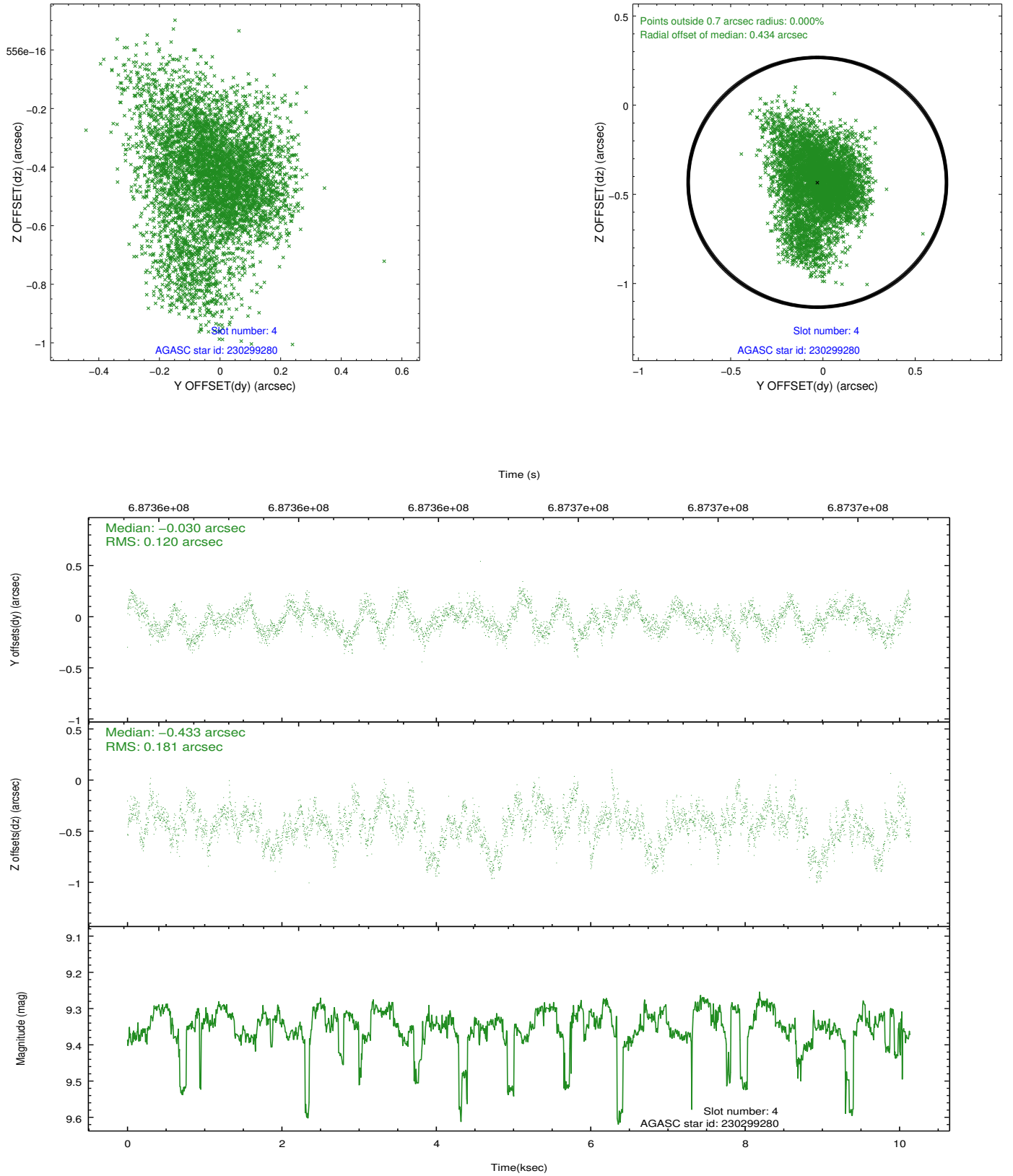
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	6.99	2474	1.000	-0.320	-0.276	0.028	0.042	0.000000	0.000000	-772.35	-1743
1	FID		ACIS-S-4	7.09	2472	1.000	0.775	0.230	0.019	0.033	0.000000	0.000000	2141.73	164
2	FID		ACIS-S-5	7.05	2474	1.000	-0.495	0.060	0.023	0.039	0.000000	0.000000	-1824.74	158
3	GUIDE	used	230296288	9.09	4944	1.000	0.390	0.362	0.246	0.400	30.467305	24.938021	-295.41	-2029
4	GUIDE	used	230299280	9.35	4934	1.000	-0.030	-0.433	0.226	0.398	30.036656	23.835911	-844.90	2146
5	GUIDE	used	230300352	7.41	4948	1.000	-0.005	0.252	0.145	0.282	30.292975	24.444369	-598.67	-186
6	GUIDE	used	230696920	7.73	4943	1.000	-0.110	0.073	0.116	0.181	30.102792	25.052080	949.17	-1853
7	GUIDE	used	230697160	7.40	4945	1.000	-0.286	-0.217	0.112	0.218	29.644799	25.094071	2350.30	-1312

2.4 Star Slots

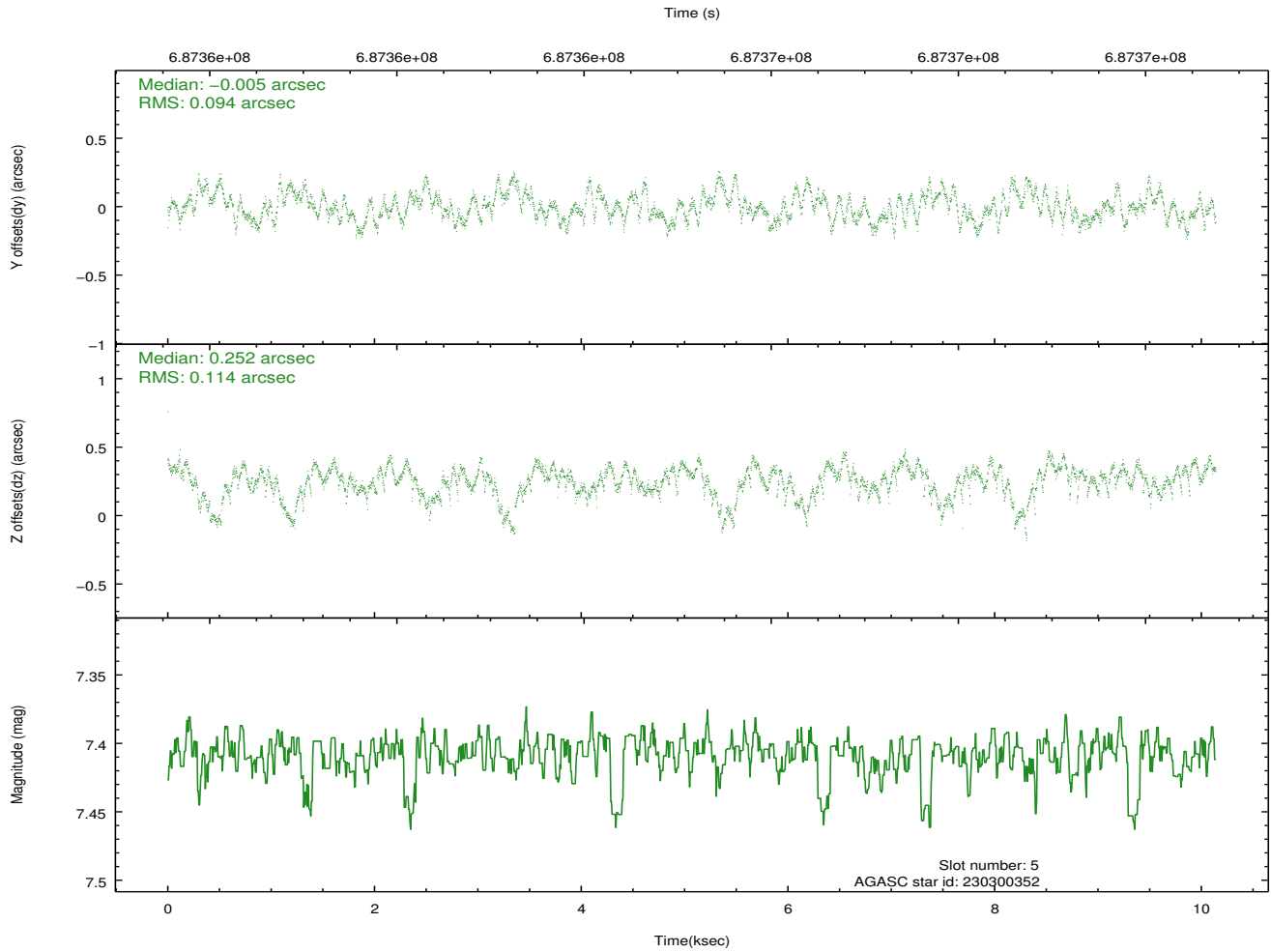
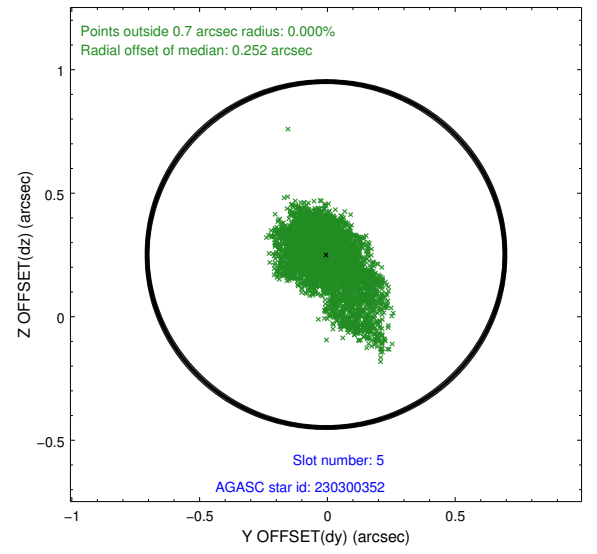
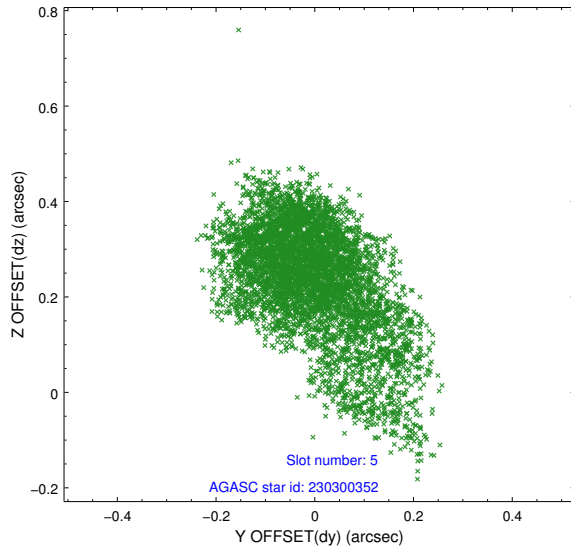
2.4.1 Slot 3



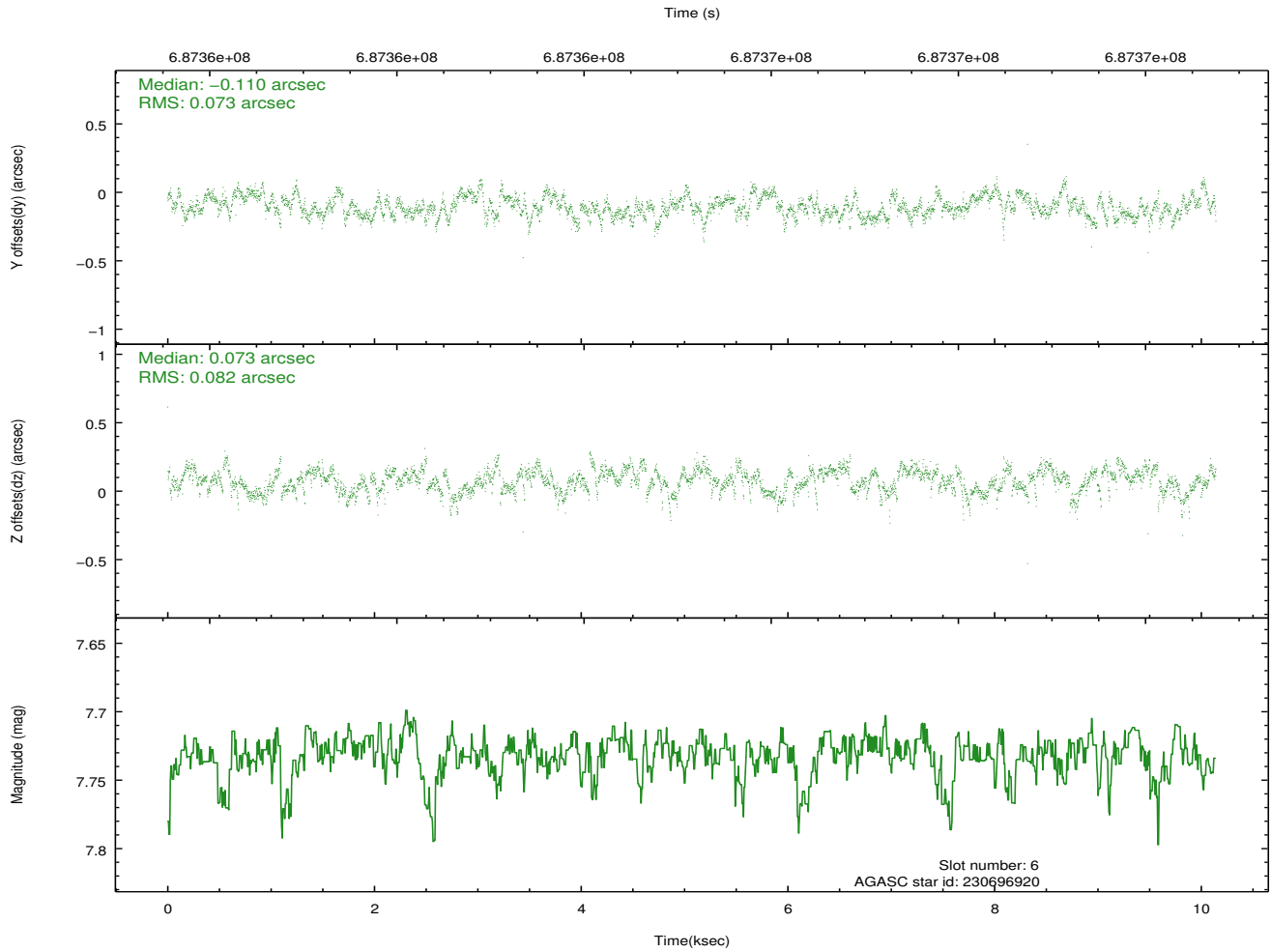
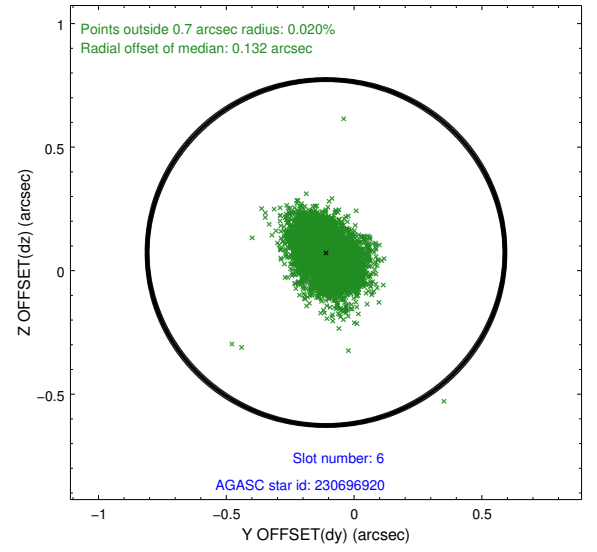
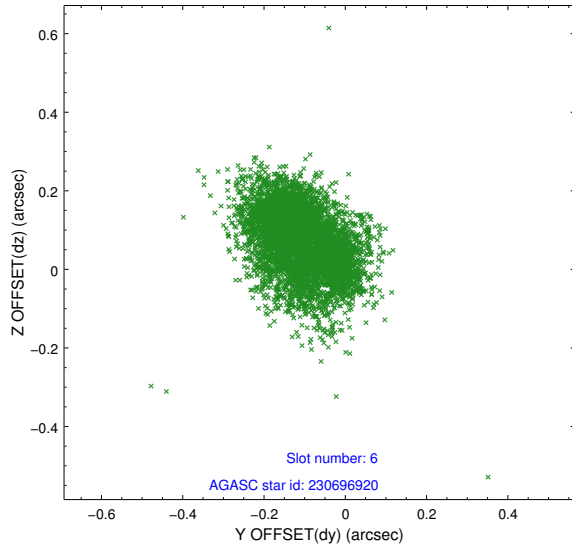
2.4.2 Slot 4



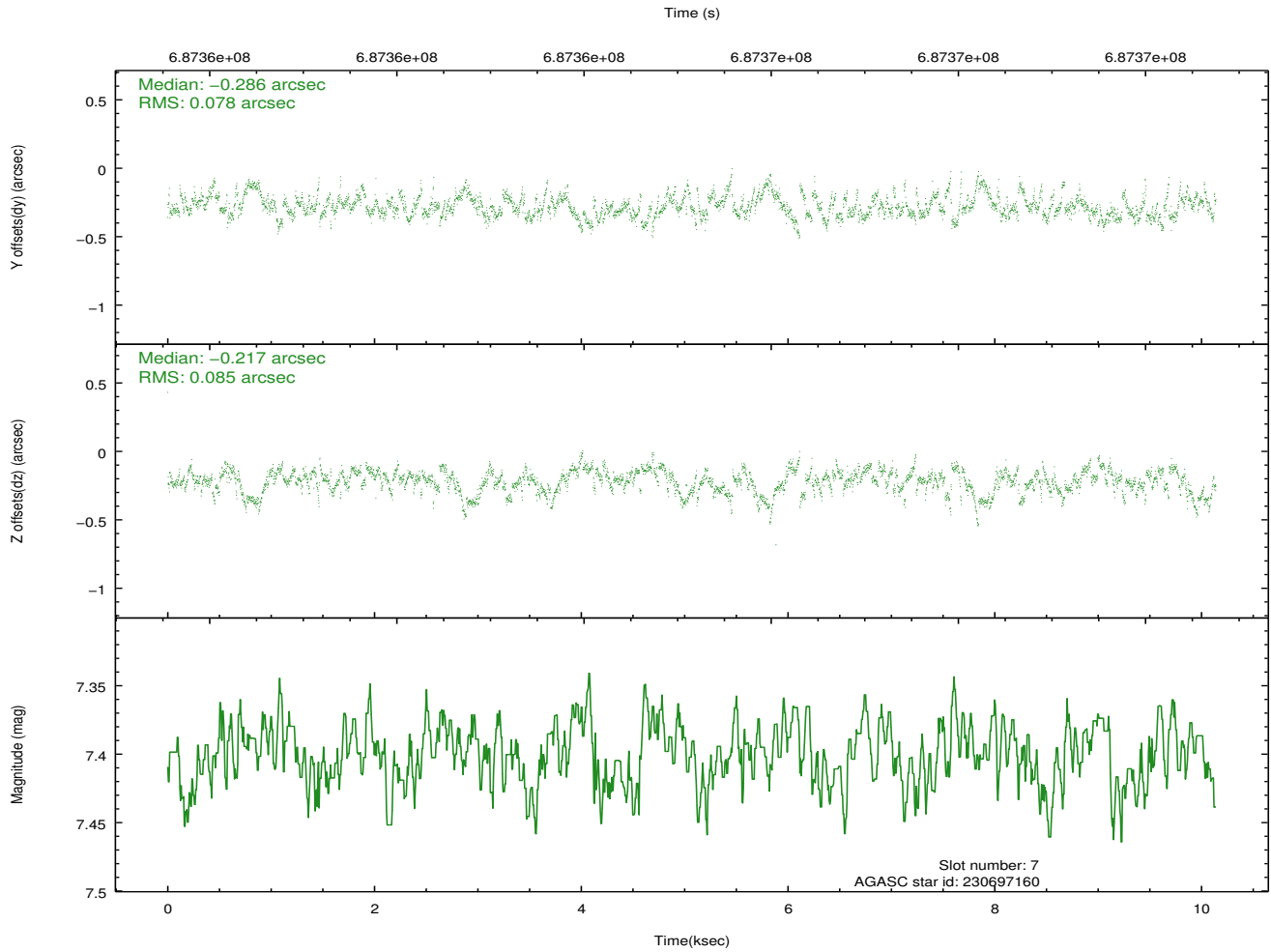
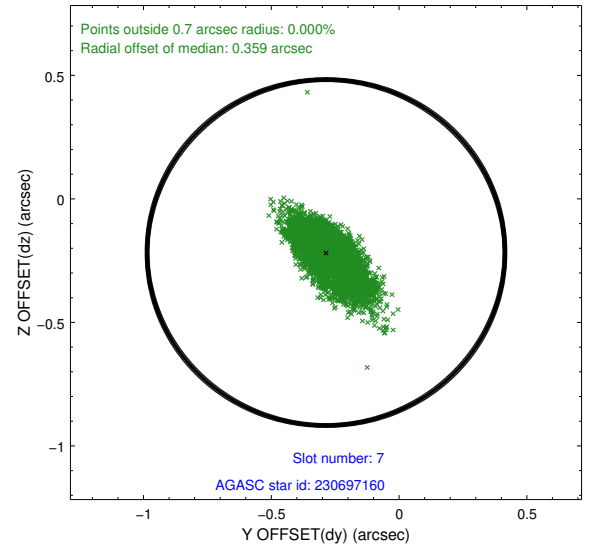
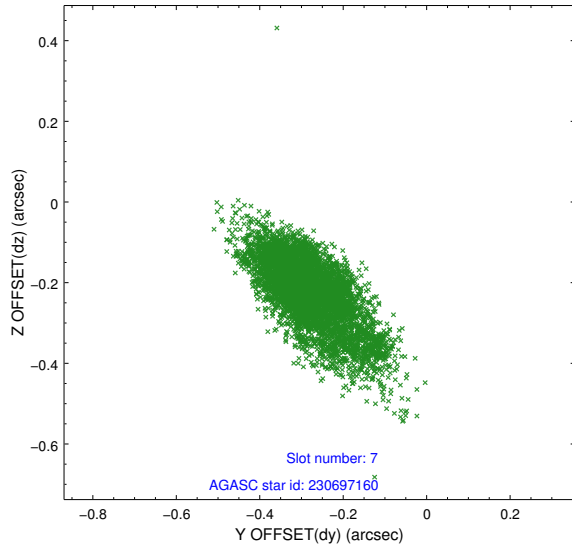
2.4.3 Slot 5



2.4.4 Slot 6

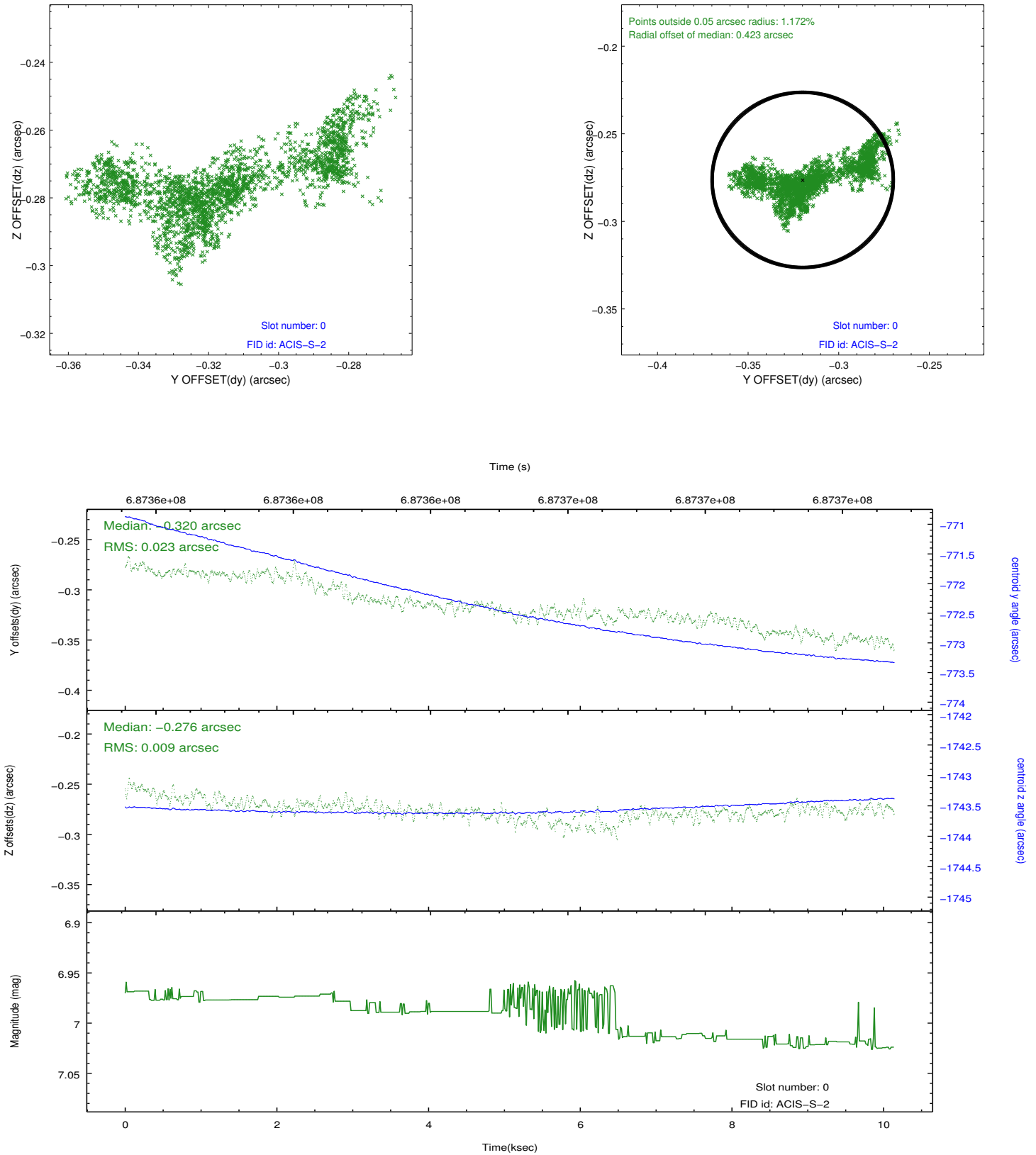


2.4.5 Slot 7

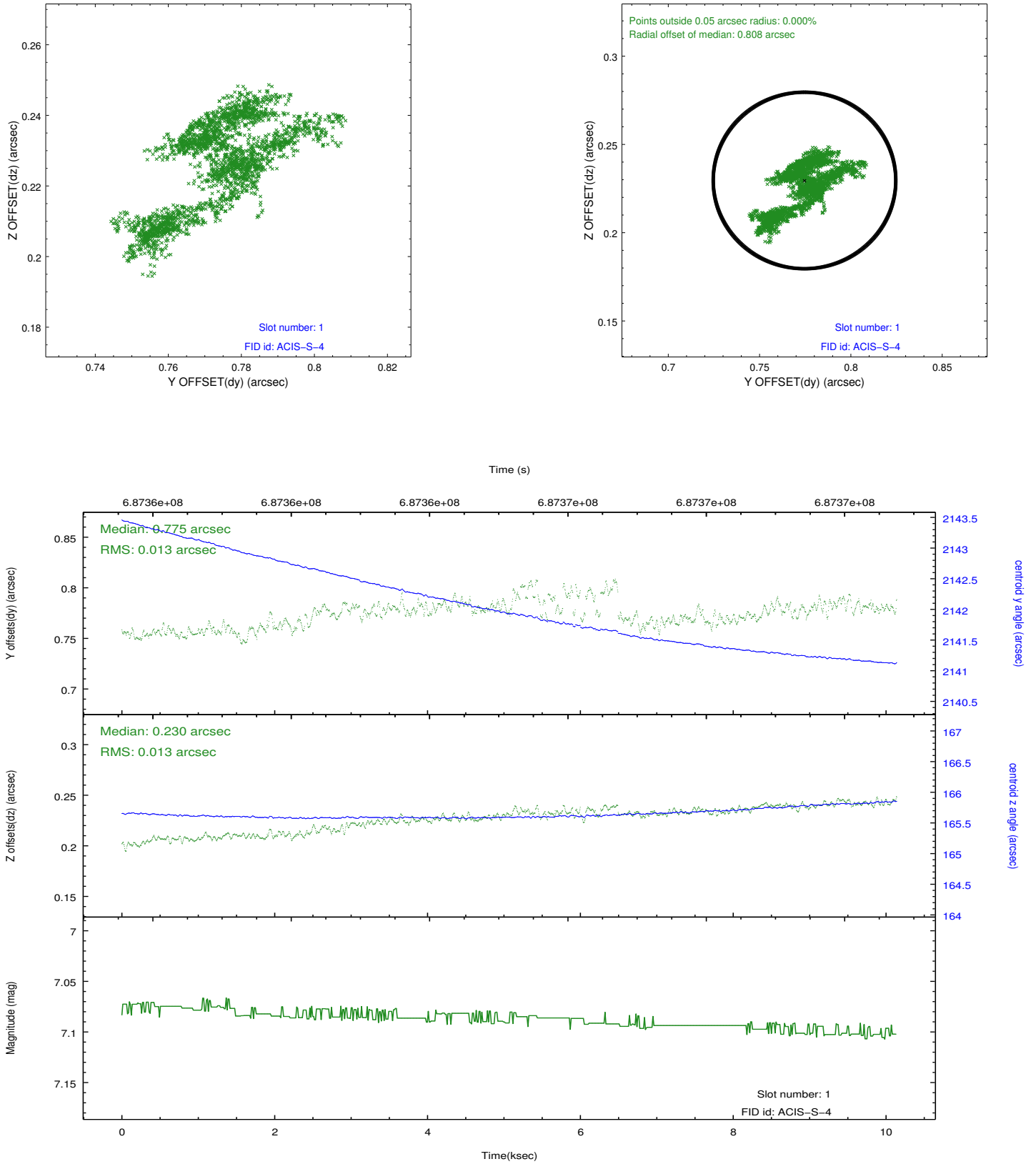


2.5 FID Slots

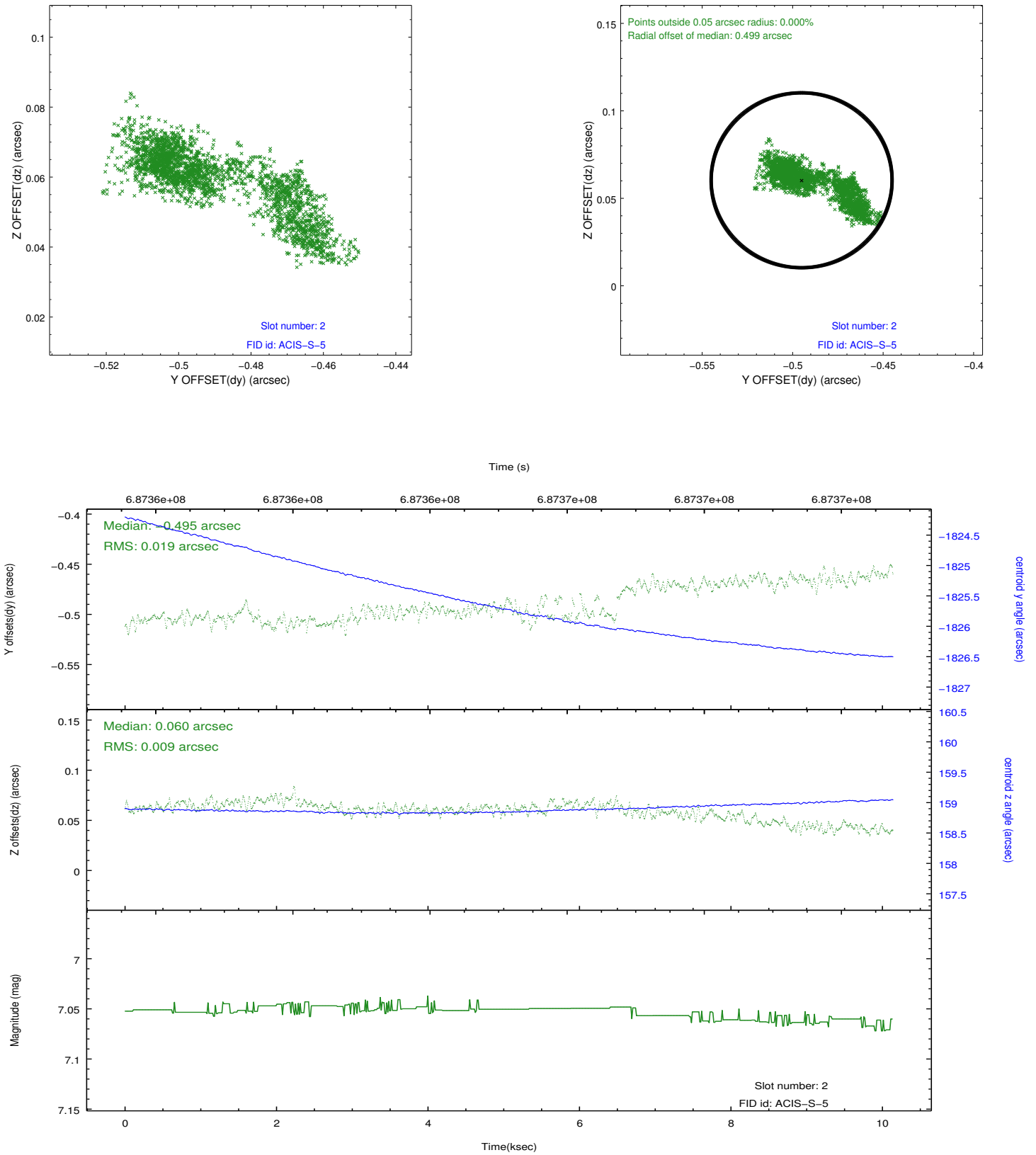
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2019.10.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.091160950541

A.2 Comments